New Directions for Medical Librarians

Jean Sayre, Associate Director

This issue focuses on the influence of new technology, new ideas and new directions on the medical librarian's changing roles. Inside the newsletter you will find articles describing future changes in DOCLINE , outreach programs in public health, Evidence Based Health Care initiatives, PubMed searching techniques, and an update on HealthWeb resources. In addition, the GMR is welcoming two new staff members.

An article discussing the current DOCLINE system changes reported at the Medical Library Association Annual Conference Sunrise Seminar is included in this issue. The seminar detailed current system enhancements and described the next generation of DOCLINE, DOCUSER, and SERHOLD. Kathleen Gaydos from the Medical Library Association provides an informative look at several new developments in Evidence Based Health Care including teleconferences, Journal Clubs, continuing education classes and web resources. Peggy Richwine from Indiana University shares her experiences with training multitype libraries in using medical information.

In Tech Notes, Chris Shaffer outlines system requirements for practical web use at work. The current and future system changes occurring at the National Library of Medicine reflect the increasing importance of Internet connectivity for medical libraries. Soon libraries that lack Internet connections will be cut off from access to key medical resources produced by National Library of Medicine, including MEDLINE, the premier biomedical database. In addition, many federal agencies will provide vital health care information that is only accessible on the Internet. The need for Internet access will only increase as more resources shift to web-based versions.

The GMR wants to include information in Three Sources about its members. If you have a unique experience, article, or idea to share, please contact the GMR. We all benefit by sharing new developments in the region.

Contact the GMR at (800) 338-7567 or via e-mail at gmr@uic.edu. ∎

DOCLINE, Loansome Doc, and Relais...What Next?
Technical Bulletin Reprint http://www.nlm.nih.gov/pubs/techbull/mj98_rlremarks.html

At the Medical Library Association, Annual Conference, a Sunrise Seminar was held on Tuesday, May 26, 1998. The discussion included DOCLINE and Loansome Doc system enhancements, the Relais implementation at the National Library of Medicine (NLM), and the next generation of DOCLINE, DOCUSER, and SERHOLD. A summary of the discussion follows.

DOCLINE—
System Enhancements

In the LEND module, the phrase "Not Available" displayed for Options 5 and 6, was changed to "Future Option." In February 1998, the DOCLINE manual was updated with the system enhancements implemented in February 1997. The updated manual is only available through the Web. Future documentation will be updated only through the web version of the manual. The URL for the DOCLINE manual is <http://www.nlm.nih.gov/psd/cas/docline/contents.html>.

Loansome Doc—
System Enhancements

Several system improvements were completed for Loansome Doc. In January 1998, the ordering feature was

Tech Notes

Practical and Preferred Computer Systems for the Web at Work

Chris Shaffer, Internet Coordinator
<http://www.nnlm.nlm.nih.gov/gmr/publish/computer.html>

BY NOW, it should be obvious that your library needs to be on the Web. Do you have what it takes to get there? This chart should get you started.

The *PRACTICAL* computer description should let you know if existing equipment will get the job done for the next year. If you need to buy a new computer, use the *PREFERRED* description as your guide.

	PRACTICAL	PREFERRED
PROCESSOR	Pentium 100 MHz (Windows) PowerPC 100Mhz (Macintosh)	Pentium II 300 MHz (Windows) PowerPC 300 MHz (Macintosh)
RAM	16 MB	64MB
HARD DISK	1 GB	4 GB
FLOPPY DRIVE	3.5" 1.44 MB	High capacity (Zip® for example)
OS	Windows 95 (Windows) Windows 98 or NT (Windows)	MacOS 7 (Macintosh) MacOS 8 (Macintosh)
MODEM	28.8 Kbps	56 Kbps (remember, any NIC is faster than a modem)
NIC	10 MB	10/100 MB
MONITOR	15" color SVGA, no video memory	17" color SVGA 4MB or 6MB video memory
CD-ROM	6X speed	36X Maximum speed
PORTS	1 keyboard, 1 mouse, 1 parallel, 1 serial	1 keyboard, 1 mouse, 1 parallel, 2 serial, 2 USB
BACKUP	Lots of floppy disks	A tape drive or network backup system
SOUND	None	Sound card with 2MB memory speakers, headphones, microphone
PRINTER	Inkjet	Laser
SOFTWARE	A virus checker, word processor and Spreadsheet	A virus checker and Office 97 or Word Perfect Suite 8

PROCESSOR: Computer chips are measured in two parts: the type of processor (the name) and the speed (measured in MHz).

RAM: Random Access Memory is the memory your computer uses to do your work. You want as much as you can possibly afford. RAM is measured in Megabytes (MB).

HARD DISK: Your hard disk is where you store your programs and work. Disk storage is measured in Gigabytes (GB). 1GB = 1000MB. A good rule of thumb is to start with 500MB and add 100MB per program you intend to use.

FLOPPY DRIVE: A 3.5" 1.44MB drive is standard (5.25" 1.2MB drives are obsolete). Unix, Linux, and other operating systems are also available but require more technical support.

OS (Operating System): At a minimum, you need to be using Windows95 or MacOS7.

MODEM: Modem speeds are measured in Kilobytes-per-second. The bigger the number, the faster the modem. To use a modem you'll need an Internet Service Provider (like Compuserve or MCI) and a dedicated telephone line.

NIC: That's Network Interface Card. You'll need one of these if you're on a network that's hard-wired to the Internet. You'll also need your MIS department to hook you up.

MONITOR: Anything smaller than a 15" display is going to be hard on your eyes. You will need at least 2MB of video memory.

CD-ROM: You've got to have one unless your MIS department is going to install all your software over the network.

PORTS: These are what you use to connect things to your computer - printers, keyboards, etc. Printers use parallel ports and communications tools (like modems) use serial (or COM) ports. Universal Serial Bus (USB) ports are new fast multi-purpose ports.

BACKUP: All computers fail sometime. Will you be prepared? You can get a tape drive that connects to your parallel port for under $200.

SOUND: Sound is a luxury in the workplace, but nice if you can get it. You'll want a sound card to run your speakers, headphones, and microphone.

PRINTER: It's hard to work without one. Ink jet printers are fine and color is affordable. Laser printers are faster, higher quality, and more expensive.

SOFTWARE: You can get by with a word processor, spreadsheet and virus checker. Ideally, you would have an office suite like Microsoft Office or Corel WordPerfect Suite. Your Internet Service Provider should give you what you need for e-mail and Web access.

Partners in Information Access for Public Health (Partners)

by Kathy J. Davies,
Communications Coordinator

Partners in Information Access for Public Health (Partners) is a strategic alliance formed between the Centers for Disease Control (CDC), the National Library of Medicine (NLM), the National Network of Libraries of Medicine (NN/LM), and state and local public health organizations to encourage public health workers to take advantage of the National Information Infrastructure. Partners also include the Association of State and Territorial Health Officials (ASTHO), the National Association of County and City Health Officials (NACCHO),

and the National Information Center on Health Services Research and Health Care Technology (NICHSR). The Greater Midwest Region has created a web site for this alliance <http://www.nlm.nih.gov/nno/partners.html>that provides more detailed information on the project members, objectives, and current activities.

Linda Walton from Northwestern University assisted the Greater Midwest Region in preparing a grant toolkit <http://www.nnlm.nlm.nih.gov/partners/toolkit.html>. This toolkit was developed specifically for the Partners program and provides an introduction to the NLM

grant process, tips for writing grants, suggestions for completing specific sections, and links to completed grant applications. This site describes the process in detail and links to funded Internet Connection Grants as well as general grant writing articles. The toolkit focuses on NLM Internet connections grants, however, it also serves as a guide to grant writing in general.

The NLM is providing support for the public health initiative by having each NN/LM regional office issue a request for quotation <http://www.nnlm.nlm.nih.gov/gmr/finding/ph/rfq.html> for outreach projects to provide public health professionals with timely, convenient access to information

resources. The proposal deadline was August 1, 1998. Network members were encouraged to submit proposals promoting awareness of relevant public health resources at the national and state level through presentations; linking health agencies with an NN/LM member library for document delivery; teaching health agencies staff to search the Internet for reliable health information; teaching the use of PubMed and/or Internet Grateful Med to access NLM databases; promoting public health uses of the Internet and connectivity options such as NLM's connections grants program. The successful proposals will be announced in September. ∎

GMR Welcomes New Staff Members

The GMR is pleased to announce the addition of two new librarians to the staff.

Angela Taylor joined the GMR on August 17 as the Outreach Coordinator. Angela received her MLIS from the University of Oklahoma and has been a Reference Librarian for three years. She has most recently served as a Reference Librarian at Creighton University Health Sciences Library in Omaha, Nebraska. Angela is the new GMR state contact librarian for Michigan, North Dakota and South Dakota. You may reach Angela at angelact@uic.edu.

Kathy Davies joined the staff on July 20 as the new Communications Coordinator. Kathy received her MLS from the University of Southern Mississippi and has been a Reference Librarian for two years. She joined the GMR staff after serving as an Academic Resident Librarian in Information Services at the Library of the Health Sciences, University of Illinois at Chicago. Kathy is the new GMR state contact librarian for Minnesota, Ohio, and Wisconsin. You may reach Kathy at kjdavies@uic.edu.

— Jean Sayre, Associate Director

New Subjects added to HealthWeb!

HealthWeb announces the addition of the following new subject pages:

- Biochemistry
- Cell Biology
- Emergency Medicine
- Obstetrics & Gynecology
- Optometry
- Otolaryngology
- Preventive Medicine
- Sports Medicine

HealthWeb is a collaborative project designed to organize and enhance access to quality health-related Internet resources. Established by health sciences librarians in the Midwest, HealthWeb is jointly sponsored by the Greater Midwest Region of the National Network of Libraries of Medicine and by the Committee on Institutional Cooperation (CIC).

This project also is supported by contract #NO1-LM-6-3523 from the National Library of Medicine. Visit HealthWeb at <http://healthweb.org>.

Training multitype libraries to use medical information: The Indiana experience

by Peggy Richwine

A variety of library types are members of the Indiana Cooperative Library Services Authority (INCOLSA) which includes the public libraries of Indiana; academic libraries of post secondary educational institutions; health science libraries with or without professional librarians; law libraries for academic institutions and practicing law firms; special libraries of service organizations, government agencies, corporations; and high school libraries. One of the services provided by INCOLSA is continuing education for professional staff of member libraries.

In the spring of 1998, INCOLSA arranged for two health science librarians to present multiple sessions of half day training entitled "Fundamentals of Medical Reference" and sent publicity on the workshops to all member libraries. The purpose of the training program was to introduce:

- Considerations for purchasing medical resources
- Aspects of the health reference interview
- Authoritative consumer health web sites
- Fundamentals of MEDLINE that included contents, features, database structure, medical subject headings, and search features of the various vendor versions
- Provide participants with handouts for later reference

The first presenter was Elaine Skopelja, MSLS, and librarian for the Foundation for Hand Research in Indianapolis. Skopelja's professional experience as a reference librarian and collection development officer for health information in a large public library as well as consumer health specialist in two hospital libraries provided her with the experience that made her part of the presentation germane to the audience. She discussed general principles of medical reference such as handling the medical reference interview, the need for current information, and using recommended lists for selecting medical titles.

Peggy Richwine, MLS, Director of Outreach at the Ruth Lilly Medical Library of the Indiana University School of Medicine, followed and focused on web resources for medical information.

Authoritative consumer health information sites such as HealthFinder, Net Wellness, and HealthWeb were introduced. Using the quote from Alan Rees

> *Participants left the training with a better understanding of medical information...*
> *and contact information for assistance in handling medical questions.*

regarding the fact that consumer health does not address all medical conditions, Richwine described a few free web sites with full text medical resources and then began a discussion of free, full service MEDLINE sites on the web. General features of all versions of MEDLINE, medical subject headings, and differences in search capabilities were discussed. EbscoHost MEDLINE, provided to all residents of Indiana

through INCOLSA's Inspire databases, Internet Grateful Med with its links to other NLM databases, and PubMed were all introduced and special features highlighted.

The final segment of the session was a view of the various web sites and a look at distinguishing features. This was a live computer projection at two of the presentations and overhead transparencies where phone lines were not available. Handouts of the slides with the web addresses as well as features of each site were provided.

Those attending the sessions completed the usual INCOLSA evaluation form. The evaluations were overwhelmingly positive with comments that revealed the lack of knowledge about medical information in general and confusion about MEDLINE in particular. Participants were encouraged to complete a second form on health information needs. There were responses from twenty-three small public libraries, fifteen large public libraries, five academic, five special and six health science libraries for a total of fifty-four. One section of the form asked for prioritization of health information needs. The need for hands-on MEDLINE training was a high priority as was information on authoritative consumer health web sites.

Participants left the training with a better understanding of medical information, awareness of the features of the various versions and complexities of MEDLINE, handouts with web sites, Brandon Hill lists, and contact information for assistance in handling medical questions. Hands-on MEDLINE training will be scheduled through INCOLSA and periodic contributions to the INCOLSA newsletter on MEDLINE developments are planned. ∎

Evidence-Based Health Care in Action
MLA's Centennial Distance Learning Program

Kathleen Gaydos, MLA Continuing Education Coordinator

The MLA Continuing Education Committee (CEC), in celebration of MLA's centennial, is pleased to announce a year of distance learning opportunities. Evidence-based health care (EBHC) is the topic for this year-long series. Plan on participating in many of the events and building on your EBHC skills!

MLA's first multi-level distance education program will be launched with the EBHC in Action Teleconference. The GMR is one of the sponsors of this teleconference to be held on Wednesday, September 16, 1998, 12:00–1:30 P.M. CDT. The conference will provide fundamental knowledge about the purpose, origin, and history of EBHC; demonstrate the actual practice and process of EBHC; illustrate the roles that librarians are currently undertaking in the process; and provide a starting point for discussion through the creation of an EBHC e-mail discussion list.

Please contact Deneen Wynn in the GMR office at 312/996-2464 or <deneenw@uic.edu> for registration and additional information.

The next resource for learning will be the EBHC in Action Journal Clubs. They can take place after the teleconference and may be organized using an in-person or electronic format. With the help of Jean Sullivant and Patricia Gallagher, the CEC is creating bibliographies that will allow members to increase their EBHC knowledge whether they are at a novice, intermediate or advanced level. The bibliographies and instructions on organizing journal clubs will be posted on MLANET during September.

EBHC in Action Continuing Education Courses at MLA 1999 in Chicago will add another dimension to the program. Five courses will build the EBHC Suite of Learning. The tentative roster includes Evidence-Based Medicine (EBM): Panning for Gold; Critically Appraising the Gold: Evaluating the Clinical Literature; EBM: A Practicum; Understanding Meta-analysis; and Evidence-Based Library Practice.

The best way to bring the program all together is with the "EBHC in Action" Web Page on MLANET (http://www.mlanet. org/education/telecon/index.html). This page will include:
- A selective list of EBHC Web Resources
- How to join the EBHC E-mail Discussion List where members can discuss what's new, what's hot and what's not in EBHC
- An online registration form for the EBHC Teleconference
- EBHC Journal Club bibliographies and journal club formation.

For more information about EBHC in Action, please consult MLANET (www.mlanet.org) or contact Kathleen Gaydos, MLA continuing education coordinator, at mladp1@mlahq.org or 312/419-9094 ext. 29. ∎

Pub Med Truncation, Automatic Explosion, Mapping and MESH Headings

The recently completed May-June issue of the Technical Bulletin has an excellent article on specific capabilities of PubMed and search tips for experienced ELHILL users now switching to PubMed.

PubMed In Brief:
- The All Fields index does not include MeSH entry terms and the MeSH terms are NOT exploded; every MeSH term listed includes all postings (main point of article or not, attached subheading or not).
- The MeSH Terms index does not include MeSH entry terms, but the MeSH terms ARE exploded; every MeSH term listed includes all postings (main point of article or not, attached subheading or not).
- MeSH Entry terms work through one of several Translation Tables that PubMed invokes for all unqualified (and also MH qualified) search terms.
- Truncation of unqualified terms bypasses all Translation Tables and directly looks in the All Fields index for a match; therefore, truncation "turns off" automatic MeSH mapping and explosions.
- Truncation incorporates the first 150 variations of the root term in the search and gives a warning message. For comprehensive results the search may need to be redone using a longer root term(s).
- Use the List Terms Mode with caution remembering the differences in the way the All Fields and MeSH Terms indexes are.

You will find the full article at: <http://www.nlm.nih.gov/pubs/techbull/mj98/mj98_truncation.html>.

added to PubMed. In April 1998, the following system enhancements were implemented:

1. The Loansome Doc feature was added to the side menu bar of the PubMed web site.

2. A Loansome Doc Home Page was established where users may learn about registering, retrieve status of orders, and update user information.

3. The Loansome Doc Registration Information Page was redesigned so that users read the registration information prior to registering. In addition, separate registration pages were designed for three user groups: U.S.A., Canada, and other countries. The registration page for "Other countries" contains a hot link to a list of U.S. libraries that are willing to serve international users. NLM is gathering information from international libraries that are willing to serve international users. This will be a web site that is created and maintained by NLM. International Loansome Doc users will be able to link to the web site from the "Other countries" registration information page.

4. The Loansome Doc Registration Page was reformatted into the following four separate sections: Identification Information (Ordering Library ID, first and last names), Address Information (accommodates both domestic and international addresses), Delivery Information, and Login Information.

5. The Loansome Doc Copyright Notice is displayed as a separate page after the user clicks the "Order" button. The user reads the copyright notice and clicks either the "Accept" or "Decline" but-ton. Then a list of documents to be ordered is displayed for the user to review and/or modify before sending the order.

DOCLINE —
The Next Generation

NLM plans to redesign the DOCLINE system. NLM staff is currently discussing the specifications for the new system. These specifications represent our vision of the new system. No programming has begun, and these plans may change over the course of the year. The plan is to move the DOCLINE system from the mainframe to a new systems environment. NLM plans to retain current functionality, and add a limited number of new features. The new DOCLINE will be available only through the Internet with a web interface. NLM

> **The new DOCLINE system will allow users to retrieve bibliographic citations from PubMed, Internet Grateful Med (IGM), and NLM's Integrated Library System, Voyager.**

plans to implement the ISO ILL Protocol (10160 & 10161). Specifically, NLM will implement the ILL Protocol messages to allow users to send a request and respond to a request.

The new DOCLINE system will allow users to retrieve bibliographic citations from PubMed, Internet Grateful Med (IGM), and NLM's Integrated Library System, Voyager. The target date for the new DOCLINE system is Summer, 1999.

NLM plans to eliminate mailing the DOCLINE statistical reports. NLM will continue to provide the data to users through an administrative function. The data could then be downloaded by the user.

Loansome Doc users will continue to search and retrieve citations through PubMed and IGM. They will place Loansome Doc orders that will be forwarded to their ordering library. They will have three administrative functions: registration, check status of orders, and updated user registration page. Loansome Doc users will not have access to DOCLINE.

DOCLINE Functions

In BORROW, users will continue to transfer Loansome Doc requests into DOCLINE, create requests to borrow journal articles, monographs, audiovisuals, and non-SERLINE titles. Also, users will be able to enter the bibliographic data for items that cannot be retrieved from any NLM systems. A new feature of the system will be a user profile that will be maintained for each user. This will eliminate repetitive keying for selected data fields (e.g., type of request [journal, monograph, audiovisual], form [copy, original], delivery method, comments, maxcost, and patron's name). NLM plans to retain the last data input in selected fields when the user logs off DOCLINE. Thus, at the next logon, the last data input will reappear so users will only need to change data in a few fields.

When NLM implements the ISO ILL protocol, it will eliminate the need for users to logoff one system and logon to another system to initiate a request. A DOCLINE participant may be logged onto a bibliographic utility or vendor system and decide that a request should go through their DOCLINE routing table. The user can specify that the request is to be sent to NLM for processing. The request will be sent through the Internet to NLM. NLM will authenticate that the user is a DOCLINE participant. The request will be added to the DOCLINE system and routed on the user's routing table. In addition, the ISO ILL protocol will allow a DOCLINE participant, logged onto DOCLINE, to send a request to a bibliographic utility or vendor system that has implemented the protocol in lieu of routing the request on its routing table. In this case, the user will specify the bibliographic utility or vendor system and NLM will send the request through the Internet without the user logging off of DOCLINE.

The remaining DOCLINE functions (receipt, lend, status, and cancel) will be available in the new system. NLM is discussing how these functions will be implemented.

NLM plans to cease mailing the paper copy of Statistical Reports after the new system is fully implemented. The data will be available for each library. At this time, NLM has not identified how the data will be displayed or retrieved.

QuickDoc

Jay Daly plans QuickDoc to interface with the new DOCLINE system. He plans to use the ISO ILL protocol.

DOCUSER /
SERHOLD
The Next Generation

The new DOCLINE system will include the holdings information from SERHOLD and the institutional information (name, address, phone numbers, ILL policy, etc.) from DOCUSER. Access to the information will be through a web interface. Institutional information will be available to DOCLINE participants as well

as the general public.

A new feature of DOCLINE will be administrative functions that will be available to users and the regional DOCLINE Coordinators. Users will be able to maintain their own institutional record, SERHOLD holdings data online, and using the administrative page, search for information on their Loansome Doc patrons. The regional DOCLINE Coordinators will be able to create and maintain institutional records. NLM is evaluating other possible administrative functions for users such as updating routing table changes online that would be forwarded to the regional DOCLINE Coordinator for review and approval. The regional

DOCLINE Coordinator would approve the routing table and it would be updated in the system immediately.

Holdings data will be updated online through a web interface. Each library will be able to maintain current holdings information for DOCLINE routing. All libraries will be encouraged to maintain their own holdings through online updating. SERHOLD data will be maintained in USMARC format.

NLM is developing plans for accepting an initial batch input from new SERHOLD libraries with significant holdings. Thereafter, these libraries are encouraged to maintain holdings online. In addition, NLM is developing plans for accepting

an annual batch update from users who cannot switch to online and new members of a consortium which currently contributes batch data.

Testing of the new SER-HOLD system will begin by the end of first quarter of calendar year 1999. Implementation will occur during the second quarter of calendar year 1999.

The last batch update submission for 1999 (the current system) will be February 1999. The first batch submission for the new system will be scheduled for the year 2000.

Relais

Relais was fully implemented at NLM in May 1998. A short video was shown that described

the document delivery process at NLM prior to the implementation of Relais and the benefits of Relais as it is implemented. NLM will be sending copies of the video entitled "Relais: A Document Delivery Solution at the National Library of Medicine–1998" to the Regional Medical Libraries. Libraries may borrow a copy of the video through the RML. ■

For additional information regarding DOCLINE and SERHOLD, please see the DOCLINE Users' Meeting Question and Answer session held at the MLS Sunrise Seminar. The article is available on hii wire, a GMR electronic publication http://www.nnlm.nlm.nih.gov/gmr/hiiwire/.

If you do not have Internet access, please contact the GMR to obtain a copy of this article.

Technical Bulletin Table of Contents

The list below summarizes the articles and new information published by the National Library of Medicine in the Technical Bulletin. The web address is <http://www.nlm.nih.gov/pubs/techbull/tb.html>.

Librarians can request print copies of individual articles from the GMR. Please contact the GMR at (800) 338-7657 or via e-mail at gmr@uic.edu.

Hello, Network Members

Please welcome the following new DOCLINE Libraries:

• 61108C Saint Anthony College of Nursing, Rockford, IL

• 46634A Saint Joseph's Medical Center, South Bend, IN

• 46122A Hendricks Community Hospital, Danville, IN

• 60435A University of Saint Francis, Joliet, IL

—Charniel McDaniels, Network Coordinator

Conference Scheduled

Health Sciences Education for the New Millennium: Internet and Multimedia Resources
<http://www.biomed.lib.umn.edu/>

A technology awareness conference co-sponsored by the Bio-Medical Library of the University of Minnesota and the GMR will be held on September 10-11, 1998. The Health Sciences Education for the New Millennium conference will include technology demonstrations, Internet classes, exhibits and plenary sessions. Three different conference tracks will focus on images in the curriculum, developing courseware, and laptop use. Please join your colleagues in exploring the impact of future technology on medical and health science professionals. For more information, contact Cindy Gruwell at 612/626-3936 or by e-mail henri013@umn.edu.

IMPORTANT DATES

<http://www.nnlm.nih.gov/gmr/calendar>

September 9, 1998
Resource Libraries Directors Meeting
Radisson Hotel • Minneapolis, MN

September 10-11, 1998
Health Sciences Education for the New Millenium:
Internet/Multimedia Resources
Technology Awareness Conference
Bio-Medical Library, University of Minnesota
Contact: Cindy Gruwell at (612) 626-3936
email:henri013@umn.edu
Minneapolis, MN
<http://www.biomed.lib.umn.edu>

September 9-11, 1998
Introduction to Web-Based Searching
Making the Transition
Taught by NOTC • Minneapolis, MN
<http://www.nnlm.nlm.nih.gov/mar/online/index.html>

September 16
Evidence-Based Health Care in Action
FREE MLA Teleconference
12:00–1:30 P.M., CST
Sponsored by NN/LM Greater Midwest Region
Student Residence Hall
828 S. Wolcott, Room 219
Contact Deneen Wyn <deneenw@uic.edu>
1-800-338-7657 or (312) 996-2464
<http://www.nnlm.nlm.nih.gov/mar/online/index.html>

September 16-18, 1998
Michigan Health Sciences Library Association
Annual Meeting
Contact: Bonnie Swegles
<sweglesb@mlc.lib.mi.us> (810)-985-1378
Port Huron, MI
<http://www.lib.msu.edu/mhsla/conf98/index.html>

September 16-17, 1998
Chem/Tox/TOXNET Specialized Module
Taught by NOTC • Bethesda, MD

September 23-26
92nd Annual North Dakota Library Conference
North Dakota Libraries: Bridges to Information
Contact: Barb Knight Univ. of North Dakota
<http://www.odin.nodak.edu/ndla.htm>

October 10-13, 1998
Midwest Chapter/MLA Annual Meeting—
Weaving Our Future
Lexington, KY
Joint Meeting with Southern Chapter/MLA
PubMed Train the Trainer class taught by
NN/LM GMR
Health Resources on the Internet class taught by
NN/LM GMR and NN/LM SEA
Contact: Jane Bryant, <jbryant@pop.uky.edu>
(606) 323-5715 or Deb Ward,
<muldward@showme.missouri.edu>

October 7-9, 1998
Health Sciences Libraries of Minnesota meets in
conjunction with Minnesota Library Association
Rochester, MN • Gail Weinberg - Chair

October 14-16, 1998
Iowa Library Assoc. Health Sciences Fall Conference
Waterloo, IA

October 29, 1998
Ohio Health Sciences Library Association
Fall Meeting
Pub Med: Train the Trainer • GMR staff
EVIDENCE-BASED MEDICINE: AN INTRODUCTION
Patricia E. Gallagher, MLS, AHIP
New York Academy of Medicine
Jean Sullivant, MSLS, AHIP
Contact: Patty Augustine (330) 740-3476
E-mail: <paugust@neoucom.edu>

October 23, 1998
Wisconsin Health Sciences Library Association
Board Meeting

November 5-7, 1998
Health Science Librarians of Illinois (HSLI)
Annual Meeting
Best Western- downtown Chicago
Contact: Laura Wimmer
<lwimmer@ResHealthCare.org> (773) 792-9938.
Chicago, IL

November 10-13, 1998
Introduction to Web-Based Searching
Making the Transition: Converting to PubMed and
Internet Grateful Med to Search NLM's Databases
Introduction to Web-based Searching for the
Librarian and Information Specialist: Using PubMed
and Internet Grateful Med to Search NLM's
Databases
Taught by NOTC • Chicago, IL
<http://www.nnlm.nlm.nih.gov/mar/online/index.html>

November 18-19, 1998
Chem/Tox/TOXNET Specialized Module
Taught by NOTC • Bethesda, MD
<http://www.nnlm.nlm.nih.gov/mar/online/index.html>

May, 1999
Medical Library Association Annual Meeting
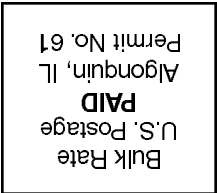Chicago, IL

September, 1999
Midwest Chapter/MLA Annual Meeting
Grand Rapids, MI

To inquire about NOTC classes, call
(800) 338-7657 and choose 2 from the menu.

To suggest items for the calendar, please
e-mail <gmr@uic.edu> or call 1-800-338-7657.

Medical Library Association Videotapes

GS1. Welcome to MLA '98 and Presidential Address (GMR Acession Number 358)
Rachael K. Anderson, AHIP, Director,
Arizona Health Sciences Library,
University of Arizona-Tucson

GS2. Plenary I- John P. McGovern Award Lecture: Perspectives on Medicine and Microbes (GMR Acession Number 359
Moderator: Frieda Weise, Executive Director,
Health Sciences and Human Services Library,
University of Maryland, Baltimore

Preserving Traditional Values and Changing Paradigms of Medical Education and Practice (GMR Acession Number 359)
Kenneth Ludmerer, MD, Professor of Medicine,
School of Medicine and Professor of History,
Faculty of Arts and Sciences,
Washington University, St. Louis, MO

Emerging Diseases Behind the Former Iron Curtain (GMR Acession Number 359)
Laurie Garrett, Science and Medical Writer, Newsday

GS3. Plenary II - The Janet Doe Lecture: Strategies and Measures for Our Next Century (GMR Acession Number 360)
Wayne J. Peay, Director, Spencer S. Eccles Health Sciences Library, University of Utah,
Salt Lake City, Utah

GS4. National Library of Medicine Update (GMR Acession Number 361)

GS5. Plenary III - The Digital Estate: Strategies for Surviving and Thriving in an Interactive Age (GMR Acession Number 362)
Charles L. Martin, Jr., President,
The Digital Estate Group, LLC,
North Hampton, New Hampshire

GS6. Legislative Update (GMR Acession Number 363)

GS7. Plenary IV - Laugh for the Health of It (GMR Acession Number 364
John Morreall, Ph.D., President,
HUMORWORKS (R) Seminars, Tampa, Florida

GS8. Inaugural Address (GMR Acession Number 365)
Jacqueline Donaldson Doyle, President,
Medical Library Association, and Director of Learning Resources, Merrill Brown MD Health Sciences Library,
Samaritan Health System, Phoenix, AZ

GS9. Sealing the Time Capsule - MLA Time Capsule: Take One and Call Your Medical Librarian in 100 Years (GMR Acession Number 366)
Lois Ann Colaianni, Associate Director for Library Operations, National Library of Medicine, Bethesda, MD

1998 Section Programming

01. Collection Development Section (GMR Accession Number 367)
Alphabet Soup or All Your Ducks in A Row: Selection Models for Purchase vs. Access in Collection Development

02. Cancer Librarians, Consumer and Patient Health Information and Veterinary Medical Libraries Sections (GMR Accession Number 368)
Facing an Uncertain Future: Responses to Diagnoses

03. Dental and Public Services Sections and Outreach SIG (GMR Accession Number 369)
Innovative Services to Benefit Distant Practitioners and Learners

04. Medical Informatics and Public Health/Health Administration Libraries Sections (GMR Accession Number 370)
Public Health Informatics: Connections Between Public Health and Health Care Systems

05. Research Section and Research Policy Implementation Task Force (GMR Accession Number 371)
Research for Decision-Making: Evidence Based Practice for Librarianship

06. Pharmacy and Drug Information Section (GMR Accession Number 372)
Back to the Future: A Modern Perspective on Herbals and their Relation to Alternative Medicine (The EMBASE Lecture)

07. Lesbian/Gay/Bisexual Health Sciences Librarian SIG, History of the Health Sciences, and Relevant Issues Sections (GMR Accession Number 373)
The Human Rights Campaign: Advocacy Initiatives for Healthcare Legislation

08. Medical School Libraries and Hospital Libraries Sections (GMR Accession Number 374)
Living On the Edge of Tension: the Library's Position in the Managed Care Environment

09. Medical Informatics/Educational Media and Technologies Sections (GMR Accession Number 375)
Evaluating Information Technology Projects

10. Nursing and Allied Health Resources and Public Service Sections and Outreach Special Interest Group (GMR Accession Number 376)
Providing Library Services for Mid-Level Practitioners

11. Relevant Issues and History of the Health Sciences Sections (GMR Accession Number 377)
Relevancy Ranking: Championing Involvement in Contemporary Social Issues

12. Hospital Libraries Section and Research Policy Implementation Task Force (GMR Accession Number 378)
Empowerment Through Benchmarking; Practical Tips in Design and Implementation of Benchmarking Studies

13. Collection Development Section (GMR Accession Number 379)
Peer Review in the Electronic Age

14. Veterinary Medical Libraries Section (GMR Accession Number 380)
Future Imperfect: Issues in Veterinary Medical Librarianship

15. Consumer and Patient Health Information and research Sections (GMR Accession Number 381)
Consumer Health Information Services: Do They Make a Difference?

16. Medical School Libraries and Medical Informatics Sections (GMR Accession Number 382)
Evidence-Based Medicine: The Library's Role in Twenty-First Century Medicine

17. Medical Informatics and Educational Media and Technology Sections (GMR Accession Number 383)
Evaluating Information Technology Products II

18. Hospital Libraries and Public Services Sections (GMR Accession Number 384)
Product Enhancement: Value-Added Services in the Health Care Enterprise

19. National Program Committee and Section Council (GMR Accession Number 385)
Visions of the Future; Reflections on the Past

20. International Cooperation Section(GMR Accession Number 386)
International Cooperation - Past and Future

21. Medical Library Education Section (GMR Accession Number 387)
Creating a Center of Excellence in Health Sciences Information Education: Perspectives from NLM Planning Grants

22. Collection Development and Technical Services Sections (GMR Accession Number 388)
Management of Internet Resources

23. Research Section and Research Policy Implementation Task Force (GMR Accession Number 389)
Evaluating Training: A Critical Research Need

24. Chiropractic Libraries Section (GMR Accession Number 390)
Non-traditional, Alternative, Complementary: Those Other Therapies

25. Federal Libraries, Technical Services, and Medical School Libraries (GMR Accession Number 391)
Show Me the Money! Costing Out Services and Generating Revenue in the Era of Managed Care

26. Educational Media and Technologies and Medical Informatics Sections (GMR Accession Number 392)
Digital Libraries: From Vesalius to the Visible Human

27. Consumer and Patient Health Information and Medical Library Education Section (GMR Accession Number 393)
The Librarian's Role in Providing Consumer Health Information

28. Public Services Section (GMR Accession Number 394)
The Spirit of Service Defined: Standards,Guidelines, and Accountability